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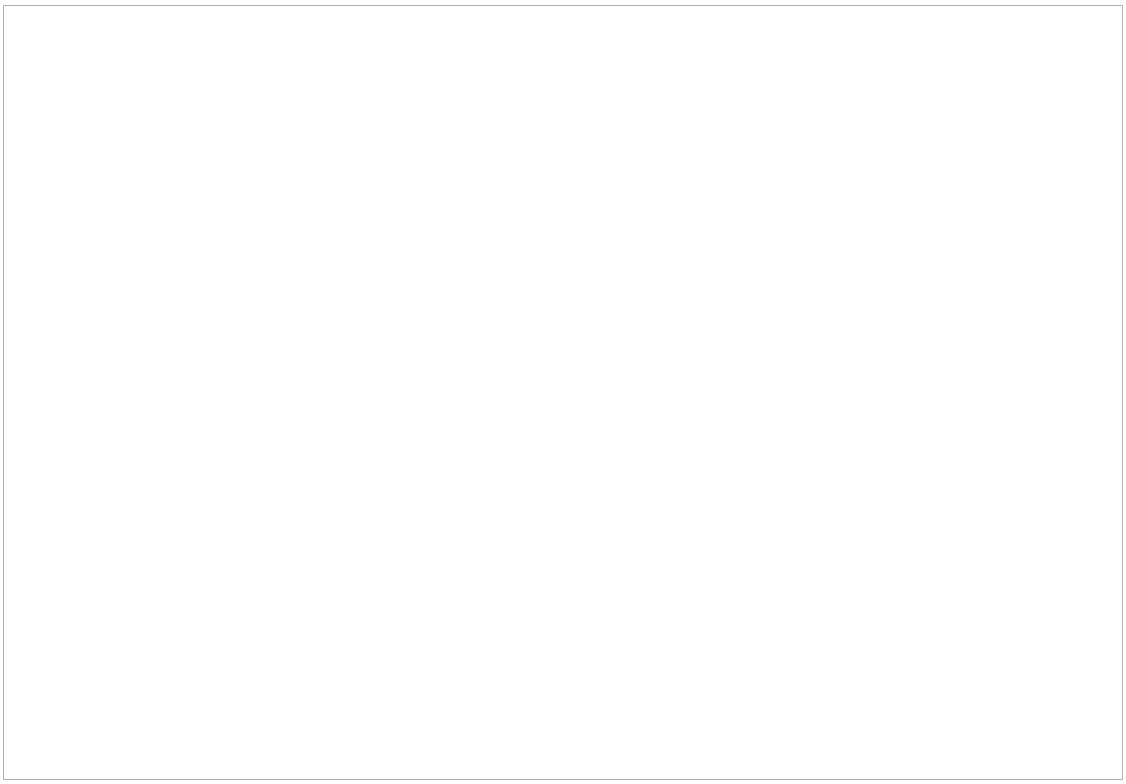

50X1-HUM

IRON AND STEEL INDUSTRY

50X1-HUM

10 May 1950

SECRET

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A. Iron and Steel Industry

1) Following research carried out by a scientific expedition led by F.P. Bardin, it has been determined that a large steel industry can be established in the Leningrad area.

The necessary raw material resources have been discovered in the Kola peninsula and in the Karelo-Finnish Republic

The necessary coal supplies will come from the Pechora river basin. Electric stations and gasometers will operate on peat extracted locally.

2) NOVOSIBIRSK rolled iron plant

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This plant produces thin sheets of rolled iron for the auto manufacturing industry

The labor brigade led by one Oykhovski, alone produced 85 tons of rolled iron per hour (normal production being 45 tons per hour).

3) Copper plants:

a) Kirovgrad
b) Krasnoural
c) Srednural
d) Karabash
e) Allaverd
f) Irtish

4) Aluminum plants:

a) Urals
b) Stalinsk

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5) Zinc, brass, and nickel plants:

a) zinc plants:

i) Below

ii) ~~E~~Chelyabinsk

b) brass plants:

i) Novosibirsk

c) nickel plants:

i) Severow

6) "Krasnij Metallurg" plant of Liepaja (Latvia)

This plant will be entirely rebuilt. Its Martin furnace No. 2 was reactivated in May 1946.

The entire cost of reconstruction is estimated at 30 million rubles.

7) KISTIM copper foundry

This foundry has adopted a ~~rapid~~ method of rapid fusion in ~~the~~ its refinery furnace.

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Each fusion now takes 14 ~~[illegible]~~ instead of 18 hours.

B. Machine Industry

1) Baku bearing mfg plant

A new large factory is under construction for the manufacture of bearings for the petroleum industry. The new factory will go into full production during the third quarter of 1946.

2) "Vulcan" plant in Leningrad

A new large installation is being built on the base of the existing plant. The new plant will produce textile machinery. It will be completed in 1950.

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3) "Pneumatika" plant in Leningrad

Last year this plant produced 75 boring machines a month; now this output is more than trebled.

Hand boring machines weighing between 12 and 13 kg. are being produced for the first time.

Production of boring hammers of the Omsp-5 type has been resumed. By 1 May 1946, 75 of them already had been manufactured.

4) "Kirov" plant in Leningrad

A new large machine section will begin operations; 287 machine-tools already have been put into operation. Meanwhile, 200 machine-tools have

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been activated in the turbine section. This number will rise to 400 by the end of this year.

5) "REVOLUTSIONNYTRUD" Plant at (illegible) This plant is producing a special turbine pump of great economy on an assembly line basis.

Production of electric saws on the same basis has also begun.

6) "Molotov" plant at Dnepropetrovsk

Production in 1945 amounted to 17.5 thousand tons.

7) "Voroshilov" plant in Dnepropetrovsk

Has begun the production of tractor-driven

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cultivators. Production during the second quarter of 1946 was expected to be 300 units.

8) "Karl Liebknet" plant at Dnepropetrovsk.

The reconstruction of the section for the fusion of ~~which manufactures~~ heavy wheels for railway cars is under way. This is the only such section in the USSR. Its annual production is 150,000 pieces.

9) "Lenin" plant in Bashkiria

Produces special machine-tool combines. Thus far this year 113 such combines have been produced.

10) "Ulich" plant in Yaroslavl

Has begun production of road

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building machines. ~~Each~~ Such a machine can produce 129 tons of asphalt in 8 hours.

11) "Metallist" plant of Sverdlovsk

This plant has planned the construction of a new coal loading machines with a potential of 50 tons per hour.

~~10) Agricultural machinery plant at Verkhne-Isetsk (Urals)~~

12) Ikunnovsk (Gorki) plant

Has begun production of siphons to supply gas to Leningrad (8 cylinders 35 meters long with a 3 meter diameter. 150 such siphons are to be produced this year. 8 of them already have reached Leningrad.

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13) Compressor plant at Yerivan

Began production of high-pressure compressors in 1946. Production of type "RK-30" compressors has been begun this year. They will be used in diesel engines.

14) "Mechanical fusion" plant at Zaporoje

a section of this plant now is producing thermo-electric apparatus.

15) "Small car" plant at Novosibirsk

This plant is preparing to produce small coal mining cars (1 ton) according to the Paton automatic fusion method. The automatic fusion section will begin operations in a

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month and produce 33,000 small cars a year. The entire plant will use the automatic fusion method by the fourth quarter of 1946, whereupon production will rise ~~if~~ perhaps to as many as 100,000 small cars a year.

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